

- 1 1. A multi-function peripheral, comprising:
2 a base housing;
3 a scanner bed slidably positioned on said base housing; and,
4 said scanner bed being slidable between a first position and a second position,
5 said second position revealing a cartridge changing station within said base housing.
- 1 2. The multi-function peripheral of claim 1 wherein said scanner bed further
2 comprises a biasing mechanism interposed between said base housing and said
3 scanner bed.
- 1 3. The multi-function peripheral of claim 1 further comprising rails depending
2 from said scanner bed.
- 1 4. The multi-function peripheral of claim 3 further comprising tracks extending
2 through said base and slidably engaging said rails.
- 1 5. The multi-function peripheral of claim 1 further comprising said base housing
2 having a cover with at least one rail extending from said cover.
- 1 6. The multi-function peripheral of claim 5 further comprising at least one track
2 positioned in a lower surface of said scanner bed and slidably receiving said at least
3 one rail.
- 1 7. The multi-function peripheral of claim 1 further comprising said slidable
2 scanner bed being moveable between a first closed position and a second open
3 position.
- 1 8. The multi-function peripheral of claim 7 further comprising said open position
2 revealing a cartridge changing station in said base housing.
- 1 9. The multi-function peripheral of claim 1 further comprising said scanner bed
2 being horizontally slidable along said base housing.
- 1 10. The multi-function peripheral of claim 1 further comprising a scanner lid
2 hingedly attached to said scanner bed.
- 1 11. A slidable scanner bed for an image recording apparatus, comprising:

2 a base housing;
 3 a sliding mechanism connecting said base housing to a slidable scanner bed;
 4 and
 5 an interface device interposed between said base housing and said scanner bed
 6 to limit travel of said scanner bed.

1 12. The slidable scanner bed of claim 11 further comprising said sliding
 2 mechanism having at least one rail depending from said scanner bed.

1 13. The slidable scanner bed of claim 12 wherein said sliding mechanism further
 2 comprises at least one track in said base housing slidably receiving said at least one
 3 rail.

1 14. The slidable scanner bed of claim 13 further comprising said at least one rail
 2 and said at least one track each having at least one interfacing angled surface
 3 inhibiting vertical disengagement of said slidable scanner bed from said base housing.

1 15. The slidable scanner bed of claim 11 further comprising at least one rail
 2 extending from said base housing and at least one track located within a lower surface
 3 of said scanner bed.

1 16. The slidable scanner bed of claim 11 wherein said sliding mechanism further
 2 comprises at least one guide shaft extending within said base housing.

1 17. The slidable scanner bed of claim 16 further comprising said scanner bed
 2 having at least one bearing surface receiving said guide shaft.

1 18. The slidable scanner bed of claim 11 wherein said interface device further
 2 comprises a button extending through said scanner bed.

1 19. The slidable scanner bed of claim 18 further comprising said button having a
 2 first tapered engagement surface at an end of said button adjacent said base housing.

1 20. The slidable scanner bed of claim 19 further comprising said button having a
 2 second tapered engagement surface.

1 21. The slidable scanner bed of claim 20 further comprising a snap hook formed
2 in said base housing cover for engaging said button at one of said engagement
3 surfaces.

1 22. The slidable scanner bed of claim 11 further comprising a cover extending
2 across an upper opening in said base housing.

1 23. The slidable scanner bed of claim 22 further comprising said cover having a
2 window therein.

1 24. The slidable scanner bed of claim 11 where said base housing further
2 comprises a cover with said cover including at least one snap hook.

1 25. The slidable scanner bed of claim 24 further comprising a button extending
2 through said scanner bed for engaging with said snap hook.

1 26. The slidable scanner bed of claim 11 further comprising said scanner bed
2 having a biasing mechanism interposed between said scanner bed and said base
3 housing.

1 27. The slidable scanner bed of claim 26 further comprising said base housing
2 have a pocket therein and said biasing mechanism being a spring disposed within said
3 pocket.

1 28. A slidable scanner bed for a multi-function peripheral, comprising:
2 a base housing;
3 an interface device releasing said scanner bed from a locked position; and,
4 a printing component positioned internally of said base housing.

1 29. The slidable scanner bed of claim 28 further comprising at least one rail
2 depending from said scanner bed slidably engaging at least one track molded in said
3 base housing.

1 30. The slidable scanner bed of claim 29 further comprising said at least one rail
2 being first and second rails and said at least one track being corresponding first and
3 second tracks.

1 31. The slidable scanner bed of claim 29 further comprising said first and second
2 rails depending from said scanner bed.

1 32. The slidable scanner bed of claim 28 further comprising at least one rail
2 extending from said base housing and slidably engaging at least one track formed in a
3 lower surface of said scanner bed.

1 33. The slidable scanner bed of claim 28 further comprising a housing cover on
2 said base housing having a window revealing a cartridge changing station of said
3 printer component.

1 34. The slidable scanner bed of claim 33 further comprising said housing cover
2 having a slide lock comprising a tab and a tapered catch, said slide lock retaining said
3 scanner bed in a closed position.

1 35. The slidable scanner bed of claim 28 further comprising a biasing device
2 urging said scanner bed from a first position to a second position.

1 36. The slidable scanner bed of claim 35 further comprising said base housing
2 having a pocket therein and said biasing device comprising a biasing spring
3 positioned in said pocket.

1 37. The slidable scanner bed of claim 36 further comprising said scanner bed
2 having a clip depending therefrom for engaging said biasing spring.

1 38. The slidable scanner bed of claim 28 further comprising said base housing
2 having posts therein and guide shafts positioned between said posts.

1 39. The slidable scanner bed of claim 38 further comprising bearing members
2 depending from said scanner bed and slidably engaging said guide shafts.

1 40. The slidable scanner bed of claim 28 further comprising a sliding mechanism
2 defined by vertical walls extending from an upper portion of said base housing along
3 a front edge and a rear edge.

1 41. The slidable scanner bed of claim 40 further comprising said front edge and
2 said second edge being substantially parallel.

1 42. The slidable scanner bed of claim 28 further comprising said interface device
2 comprising a spring loaded button.

1 43. The slidable scanner bed of claim 28 wherein said interface device further
2 comprises a push-button actuated electric solenoid.

1 44. The slidable scanner bed of claim 28 wherein said interface device further
2 comprises a push-button actuated electromagnetic latch.

1 45. The slidable scanner bed of claim 28 wherein said interface device further
2 comprises a motorized opening mechanism and an electrical push-button, said
3 electrical push-button actuating said motorized opening mechanism.

1 46. The slidable scanner bed of claim 1, said scanner bed being actuated by a
2 motor.

1 47. The slidable scanner bed of claim 1 further comprising an actuatable
2 electromagnet for moving said scanner bed from a first position to a second position.

1 48. The slidable scanner bed of claim 28 further comprising said scanner bed
2 being manually slidably operated between open and closed positions.